

INDIAN RIVER BASIN

01195100 INDIAN RIVER NEAR CLINTON, CT

LOCATION.--Lat 41°18'21", long 72°31'54", Middlesex County, Hydrologic Unit 01100004, on right downstream side of bridge at Hurd Bridge Rd., 2.0 mi north of Clinton.

DRAINAGE AREA.--5.68 mi².

PERIOD of RECORD.--July 1961 to September 1973, occasional low-flow measurements. November 1981 to current year.

REVISED RECORDS.--WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 34.81 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
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No peak greater than base discharge.

Minimum discharge, 0.01 ft³/s, Aug. 20, gage height, 1.32 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	0.69	0.95	e0.95	4.2	3.0	21	18	6.9	0.52	0.17	0.16
2	4.5	0.77	0.91	e0.92	5.0	2.8	16	19	4.9	0.57	0.17	1.6
3	2.1	0.81	0.82	e0.86	3.7	20	13	26	3.7	0.55	0.18	2.8
4	1.4	0.85	0.73	e0.83	e3.1	15	13	16	3.0	0.48	0.16	5.5
5	0.96	0.83	0.71	e0.80	e2.7	8.9	11	13	5.1	0.35	0.16	2.7
6	0.73	0.97	0.71	e0.77	e2.5	7.1	9.5	11	6.1	0.32	0.15	0.96
7	0.68	0.72	0.71	6.2	e2.3	6.3	8.5	9.9	31	0.31	0.13	0.55
8	0.62	0.63	0.73	4.2	e2.2	5.5	8.1	9.1	15	0.29	0.13	0.45
9	0.52	0.61	2.5	3.1	e2.1	5.3	8.1	8.1	8.4	0.31	0.14	0.32
10	0.50	0.57	2.6	e2.6	e2.0	6.1	12	7.9	6.2	0.36	0.14	0.27
11	0.57	0.64	1.6	e2.2	6.2	5.3	9.7	6.7	4.9	0.34	0.13	0.21
12	0.42	0.61	1.3	4.5	4.9	4.8	8.2	7.3	4.2	0.31	0.11	0.31
13	0.42	0.59	1.0	6.7	3.9	4.8	8.1	22	3.9	0.27	0.13	0.31
14	0.43	0.63	1.1	7.0	3.1	5.6	8.4	60	4.6	0.27	0.12	0.28
15	0.49	0.69	1.5	5.9	3.0	4.9	8.1	24	9.8	0.24	0.12	0.35
16	0.84	0.87	1.5	4.9	3.1	4.6	7.3	15	8.0	0.24	0.11	25
17	0.76	0.85	1.2	4.1	4.0	4.1	6.8	12	7.0	0.20	0.14	15
18	0.66	0.71	4.7	e3.6	5.0	4.7	6.3	48	4.7	0.19	0.13	5.6
19	0.55	0.70	4.5	e3.1	3.8	7.4	5.8	32	3.4	0.23	0.08	2.7
20	0.55	0.77	2.8	e2.7	3.4	12	5.6	19	2.9	0.23	0.11	1.5
21	0.53	0.79	2.1	e2.4	4.5	24	5.3	14	2.4	0.28	0.14	1.0
22	0.47	0.79	1.6	4.2	4.3	13	6.0	12	2.1	0.29	0.13	0.80
23	0.49	0.71	1.4	4.0	3.6	9.5	9.6	9.8	1.7	0.29	0.09	5.7
24	0.56	0.68	5.1	6.2	3.1	8.1	7.0	8.8	1.5	0.27	0.13	4.4
25	0.64	0.79	5.2	5.8	3.0	7.2	7.5	7.6	1.1	0.29	0.15	2.3
26	0.65	2.2	3.3	4.5	3.0	7.0	16	6.8	0.96	0.26	0.14	1.5
27	0.58	1.7	e2.5	3.9	3.1	e21	9.8	6.7	0.98	0.22	0.13	13
28	0.67	1.1	e2.0	3.5	3.6	e18	20	7.0	1.2	0.22	0.12	14
29	0.62	0.91	e1.7	3.3	---	e16	27	8.0	1.2	0.22	0.20	7.3
30	0.55	0.91	e1.4	3.2	---	13	17	6.2	0.83	0.18	0.15	4.3
31	0.61	---	e1.1	3.1	---	11	---	5.5	---	0.18	0.15	---
TOTAL	31.37	25.09	59.97	110.03	98.4	286.0	319.7	476.4	157.67	9.28	4.24	120.87
MEAN	1.01	0.84	1.93	3.55	3.51	9.23	10.7	15.4	5.26	0.30	0.14	4.03
MAX	7.3	2.2	5.2	7.0	6.2	24	27	60	31	0.57	0.20	25
MIN	0.42	0.57	0.71	0.77	2.0	2.8	5.3	5.5	0.83	0.18	0.08	0.16
CFSM	0.18	0.15	0.34	0.62	0.62	1.62	1.88	2.71	0.93	0.05	0.02	0.71
IN.	0.21	0.16	0.39	0.72	0.64	1.87	2.09	3.12	1.03	0.06	0.03	0.79

STATISTICS of MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	4.78	9.62	13.2	13.5	14.0	17.8	17.1	11.4	9.33	2.33	3.00	2.10									
MAX	24.0	26.7	36.8	25.2	29.3	37.7	38.9	21.3	57.1	13.4	12.5	7.30									
(WY)	1991	1984	1984	1982	1984	1994	1983	1989	1982	1984	1992	1992									
MIN	0.30	0.84	1.77	3.55	3.51	8.57	6.16	3.55	1.11	0.30	0.14	0.19									
(WY)	1998	2002	1999	2002	2002	1990	1985	1986	1994	2002	2002	1997									

e Estimated.

01195100 INDIAN RIVER NEAR CLINTON, CT--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1982 - 2002	
ANNUAL TOTAL	3473.98		1699.02		9.59	
ANNUAL MEAN	9.52		4.65		16.8	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	208	Mar 22	60	May 14	576	Jun 6 1982
LOWEST DAILY MEAN	0.18	Sep 12	0.08	Aug 19	0.00	Jul 22 1991
ANNUAL SEVEN-DAY MINIMUM	0.21	Sep 7	0.12	Aug 14	0.02	Aug 9 1993
MAXIMUM PEAK FLOW			87	May 14	a2600	Jun 6 1982
MAXIMUM PEAK STAGE			3.07	May 14	b8.29	Jun 6 1982
INSTANTANEOUS LOW FLOW			0.01	Aug 20	c0.00	Jul 22 1991
ANNUAL RUNOFF (CFSM)	1.68		0.82		1.69	
ANNUAL RUNOFF (INCHES)	22.75		11.13		22.94	
10 PERCENT EXCEEDS	22		12		21	
50 PERCENT EXCEEDS	3.2		2.5		5.6	
90 PERCENT EXCEEDS	0.48		0.21		0.49	

- a From contracted-opening measurement.
- b From digital recorder and floodmarks in gage well.
- c Also occurred on July 23, 1991.

